

CLAIMS

1. Mechanism for the transmission of axial and rotative movements between two portions of a stem with offset axles, characterized by the fact that it comprises an axially movable assembly (11, 12), by the fact that the second portion (18) of the stem carries a second pinion (17) and is pivoted on said movable assembly (11, 12) but that it is axially secured to this movable assembly (11, 12); by the fact that the first portion (8) of the stem is pivoted on the movable assembly (11, 12) but axially secured to this latter and that it is secured to a first pinion (15, 15a); by the fact that one or an odd number of reverser(s) (16), pivoted on the movable assembly (11, 12) connect(s) kinematically the first pinion (15) to the second pinion (17).

2. Mechanism according to claim 1, characterized by the fact that the movable assembly (11, 12) comprises a front plate (11) and a rear plate (12) parallel and secured to each other and by the fact that the first (15) and second (17) pinions as well as the reverser (16) are located between these two plates (11, 12).

3. Mechanism according to claim 2, characterized by the fact that the first pinion (15) comprises a hub (15a) and by the fact that the thickness of the pinion and its hub (15, 15a) corresponds to the distance separating the plates (11, 12) of the movable assembly.

4. Mechanism according to claim 2 or claim 3, characterized by the fact that the second portion (18) of the stem carrying the second pinion (17) has between this pinion (17) and a portion of larger diameter, a throat whose width corresponds to the thickness of the front plate (11) in which it is pivoted.

5. Mechanism according to one of the preceding claims, characterized by the fact that the movable assembly moves at least partially in an axial recess provided in the watch case.

6. Mechanism according to one of the preceding claims, characterized by the fact that the second portion (18) of the stem is disposed and pivoted in an opening in the front plate (11) of the movable assembly (11, 12), which opening opens on the upper portion of this plate (11).

7. Mechanism according to one of the preceding claims, characterized by the fact that the axes of the two portions (8, 18) of the stem are parallel.

8. Mechanism according to one of claims 1 to 6, characterized by the fact that the two portions (8, 18) of the

stem form an angle between them although located in planes parallel to each other, and by the fact that the pinions and reverser (15, 16, 17) are conical gears.

9. Mechanism according to one of the preceding claims, characterized by the fact that one (18) of the portions of the stem is connected to a manipulating member mounted on a watch case whilst the other portion (8) is connected to a timepiece movement disposed within said watch case.

10. Mechanism according to claim 9, characterized by the fact that the manipulating member is a winding crown and that the mechanism is a winding and setting mechanism of a watch movement.